1999-584217/50 A97 J04 ~~NIST 1998.03.13~~
NISSHIN STEEL CO LTD *JP 11253819-A
1998.03.13 1998-082770(+1998JP-082770) *(1999.09.21)* ~~B01J 35/02~~, 31/38, C09K 3/00, 3/32

Titanium dioxide photocatalyst for decomposition of stains such as oil adhered onto kitchen apparatus - comprises particles of specified particle size coated with organic semiconductive polymer
C1999-170256

A(12-W11K, 12-W12B) J(4-E4)

NOVELTY

The surface of the titanium dioxide particles (2) is coated with organic semiconductive polymer (3) so that only predefined portion of the surface is exposed. The particle size of the titanium dioxide is 1 μm or less.

USE

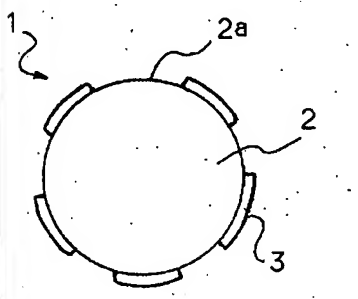
For decomposition of stains such as oil component and carbon dioxide adhered to the kitchen apparatus or covering.

ADVANTAGE

Photocatalytic activity of titanium dioxide is improved, and hence stain on kitchen apparatus is efficiently removed.

DESCRIPTION OF DRAWING

The figure shows the enlarged model of the particle with photocatalyst property. (2) Titanium oxide particles; (3) Semiconductive polymer.
(6pp3211DwgNo.1/7)



JP 11253819-A